

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Thomas J. Hebda
Serial No. : 09/925,588
Filed on : 08/09/ 2001
For : DEVICE FOR CONTROLLING
A DOOR OPERATOR
Examiner :
Group Art : 3634



INFORMATION DISCLOSURE

Assistant Commissioner for
Patents
Washington, DC 20231

Sir:

If any additional charges or fees must be paid in connection with this communication, they may be paid out of our deposit account No. 50-0783.

Jones, U.S. Patent 4,348,835 issued September 14, 1982 discloses a door-operating device with a unique drive in which the output shaft is retracted from engagement with the pivot shaft when the door is fully opened. The output shaft of the drive motor is linearly moveable and when the motor is deactivated, the retraction of the output shaft causes the gear drive to become disengaged.

Zunkel, U.S. Patent 4,429,490 issued February 7, 1984 discloses the structure of a device for opening and closing a door.

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Kornbrekke, U.S. Patent 4,669,218 issued June 2, 1987 discloses a door-operating device which is activated by activity sensors on both sides of the door.

Merendino, U.S. patent 5,040,331 issued August 20, 1991 discloses a door operating device that includes a slip clutch with sufficient friction between the plates of the clutch to drive the opening and closing of the door, but allow for slippage while manually opening and closing the door.

Weiss, U.S. Patent 3,886,425 issued May 27, 1975 discloses a drive structure for door opening device.

Merendino, U.S. Patent 4,972,629 issued November 27, 1990 discloses a control system for opening and closing a door including an infrared transmitter and receiver, and a slip clutch between the motor and the drive assembly for preventing manual opening and closing of the door.

Eccleston, U.S. Patent 5,878,530 issued March 9, 1999 discloses a door opening assembly for opening a door with a latch. When a signal is received to open a closed door, the device first disengages the door latch and then operates the door-operating device.

Schwantes, U.S. Patent 6,006,475 issued December 28, 1999 discloses a spring-loaded door closing mechanism.

Hebda, U.S. Patent 5,634,296 issued June 3, 1997 discloses a mechanically operated door-opening device.

Hebda, U.S. Patent 5,930,954 issued August 3, 1999 discloses another mechanically operated door operating device including a clutch and a motor, in which the motor and the clutch disengage simultaneously.

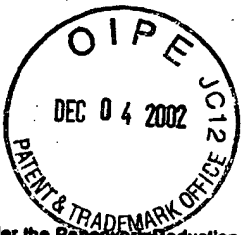
Geiss, U.S. Patent 4,011,688 issued March 15, 1977 discloses a device for electrically latching and unlatching a door while moving it out of a door frame.



Respectfully submitted,

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